



10-23-06

PFW \$

AMENDMENT TRANSMITTAL LETTER

Docket No.
2382(225436)Application No.
10/805,650-Conf. #9645Filing Date
March 19, 2004Examiner
M. StaplesArt Unit
1637

Applicant(s): Michael Borns

Invention: DNA POLYMERASE FUSIONS AND USES THEREOF

TO THE COMMISSIONER FOR PATENTS

Transmitted herewith is an amendment in the above-identified application.

The fee has been calculated and is transmitted as shown below.

CLAIMS AS AMENDED					
	Claims Remaining After Amendment	Highest Number Previously Paid	Number Extra Claims Present	Rate	
Total Claims		- 20 =		x	
Independent Claims		- 3 =		x	
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					
Other fee (please specify): Extension for response within second month					225.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT:					225.00

☐ Large Entity☒ Small Entity☐ No additional fee is required for this amendment.☒ Please charge Deposit Account No. 04-1105 in the amount of \$ 225.00.
A duplicate copy of this sheet is enclosed.☐ A check in the amount of \$ _____ to cover the filing fee is enclosed.☐ Payment by credit card. Form PTO-2038 is attached.☒ The Director is hereby authorized to charge and credit Deposit Account No. 04-1105
as described below. A duplicate copy of this sheet is enclosed.☒ Credit any overpayment.☒ Charge any additional filing or application processing fees required under 37 CFR 1.16 and 1.17.

Kathleen Williams Reg # 45,123 f
Kathleen Williams
Attorney/Agent Reg. No.: 34,380

Dated: October 19, 2006

EDWARDS ANGELL PALMER & DODGE LLP
P.O. Box 55874
Boston, Massachusetts 02205
(617) 439-4444



Docket No.: 2382(225436)
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Michael Borns

Application No.: 10/805,650

Confirmation No.: 9645

Filed: March 19, 2004

Art Unit: 1637

For: DNA POLYMERASE FUSIONS AND USES
THEREOF

Examiner: M. Staples

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

RESPONSE TO RESTRICTION REQUIREMENT

Dear Sir:

In response to the Restriction Requirement dated July 20, 2006, Applicants elect Group I, Claims 1-30 for prosecution on the merits, with traverse.

Applicants also elect the subgroup of Pfu-Sso7d' with traverse. Applicants submits that claims 1-30 are readable on this subgroup.

It is submitted that the Restriction Subgroups are not patentably distinct and are obvious variants. In particular, Applicants submit that as discussed in the instant specification at page 3, lines 5 through 22, DNA polymerase fusions comprising a DNA polymerase fused to any one of: the helix-hairpin-helix DNA binding motifs from DNA topoisomerase V, the thioredoxin binding domain to T7 DNA polymerase, the archaeal PCNA binding domain to Taq DNA polymerase, DNA binding protein Sso7d or DNA binding domain Sac7d all exhibit the identical property of increased processivity and therefore would all be useful according to the methods of the invention.

Application No. 10/805,650
Amendment dated October 19, 2006
Reply to Office Action of July 20, 2006

2

Docket No.: 2382(225436)

Dated: October 19, 2006

Respectfully submitted,

By *Eugene N S Reg #45,123 for*
Kathleen Williams

Registration No.: 34,380
EDWARDS ANGELL PALMER & DODGE LLP
P.O. Box 55874
Boston, Massachusetts 02205
(617) 439-4444
Attorneys/Agents For Applicant